WATER MANAGEMENT DIVISION MONTHLY REPORT

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RESERVOIR OPERATION AND SYSTEM STATUS FOR MAY 1999

HIGHLIGHTS –The stage at Cairo varied within a range of 31.00-40.18 feet. The Ohio River crested at Cairo on the 9th at 40.18 feet. Normal stage for May is 33 feet.

WEATHER – The weather during May was dry in the Ohio River Basin. Below normal rainfall this month continues the dry trend since February. The driest areas were Ohio, northern Kentucky, and West Virginia, where generally less than half the expected rainfall was received. There were only a very few small spots that saw normal rainfalls. Temperatures were generally near normal to slightly above normal.

The following table summarizes temperature and precipitation for May:

TEMPERATURE AND PRECIPITATION – MAY 1999

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	61.0	+1.5	4.12	+0.53
Charleston, WV	64.0	+0.5	1.90	-2.04
Columbus, OH	64.8	+3.6	1.80	-2.13
Cincinnati, OH	63.5	+0.6	1.98	-2.30
Louisville, KY	66.5	+1.2	3.11	-1.51
Indianapolis, IN	64.3	+1.5	3.75	-0.25
Evansville, IN	65.4	-0.1	3.23	-1.52
Nashville, TN	68.6	+0.9	4.34	-0.54

STREAMFLOW -- Ohio River monthly average flows for May ranged from a low of 47 percent of normal at Evansville, IN to a high of 68 percent of normal at Paducah, KY. Daily flows ranged from a low of 21 percent of normal at Evansville, IN to a high of 126 percent of normal at Pittsburgh, PA.

The following table presents the flow data summary for May at the Ohio River Index Stations:

FLOW DATA – MAY 1999

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
.	CUBIC FEET/SECOND	MONTHLY	DAILY	
.	.	.	HIGH	LOW
Pittsburgh, PA	23,053	61	126	33
Huntington, WV	57,484	62	99	35
Cincinnati, OH	60,226	49	93	27
Louisville, KY	73,161	52	105	22
Evansville, IN	79,839	47	104	21
Paducah, KY	221,290	68	110	32

RESERVOIRS -- May started with 0.5% utilization of the total system flood control storage, reached a high of 3.3% on the 11th, and ended the month at 0.5%. System-wide augmentation storage increased from 93.7% at the beginning of the month to 97.2% by the end of the month. No significant flood storage utilization in excess of 25% occurred at any of the reservoir projects during May.

The following table depicts storage change by tributary reservoir subsystem for May:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-1,600
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-5,900
Twelvepole-Big Sandy-Little Sandy-Scioto	+7,100
Little Miami-Licking-Mill Creek-Great Miami	+18,600
Kentucky-Salt-Green-Wabash	+117,500
Cumberland	+136,200

TOTAL	**+271,900**

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